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10/634,196

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Daniel E. Pedersen

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23552 7590 04/13/2007  
MERCHANT & GOULD PC  
P.O. BOX 2903  
MINNEAPOLIS, MN 55402-0903

EXAMINER

DELCOTTO, GREGORY R

ART UNIT

PAPER NUMBER

1751

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	04/13/2007	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

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<b>Office Action Summary</b>	<b>Application No.</b> 10/634,196	<b>Applicant(s)</b> PEDERSEN ET AL.	
	<b>Examiner</b> Gregory R. Del Cotto	<b>Art Unit</b> 1751	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 05 February 2007 and 29 January 2007.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-4, 13, 14, 16-23, 25-33 and 37-41 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-4, 13, 14, 16-23, 25-33 and 37-41 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.

- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_.

### **DETAILED ACTION**

1. Claims 1-4, 13, 14, 16-23, 25-33, and 37-41 are pending. Claims 5-12, 15, 24, and 34-36 have been canceled. Applicant's amendments and arguments filed 1/29/07 and 2/5/07 have been entered.

### **Objections/Rejections Withdrawn**

The objections/rejections as set forth in the Office action mailed 10/30/06 have been withdrawn:

The rejection of claims 1-4, 13-25, 29-33, 35, and 36 under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 10-37 of U.S. Patent No. 6,593,283 in view of Smith et al (US 6,617,303) has been withdrawn due to the filing of a terminal disclaimer.

The rejection of claims 1, 2, 13-17, 19, 20, 22, 24-32, 35, and 36 under 35 U.S.C. 103(a) as being unpatentable over Smith et al (US 2003/0070692) in view of Smith et al (US 6,617,303) has been withdrawn.

The rejection of claim 21 under 35 U.S.C. 103(a) as being unpatentable over Smith et al (US 2003/0070692) in view of Smith et al (US 6,617,303), as applied to the rejected claims, and further in view of Wulff et al (US 5,962,399).

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

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(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.

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2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 29-33 and 38-41 are rejected under 35 U.S.C. 103(a) as being unpatentable over Smith et al (US 6,617,303) in view of Baker et al (US 2002/0119907) or Hei et al (US 2002/0072288).

Smith et al teach surfactant compositions containing ethoxylated amines. The disclosed surfactant compositions may be used in the formulations of heavy duty laundry detergents, herbicide emulsifiers, hard surface cleaners, bathroom cleaners, all-purpose cleaners, car wash detergents, janitorial cleaners, and light duty liquid detergents. The detergent compositions include at least one anionic surfactant. See column 2, lines 19-35. Suitable ethoxylated ether amines have the same formula as Formula III as recited by the instant claims. See column 3, lines 10-20. The surfactant composition includes from about 8% to 35% of anionic surfactants which include at least one of alkyl benzene sulfonate, alkyl sulfate, alkyl ether sulfate, etc., from about 8% to

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about 35% of the surfactant actives by weight of an ethoxylated surfactant wherein the ethoxylated surfactant is at least one of ethoxylated amine; from about 15% to about 55% of a nonionic surfactant wherein the nonionic surfactant includes at least one of nonylphenol ethoxylate, alcohol ethoxylate, ethylene oxide/propylene oxide block copolymer; from 10% to about 90% by weight water, from about 0% to about 9% neutralizing compound wherein the neutralizing compound includes at least one of alkanolamine, alkylamine, ammonium hydroxide, sodium hydroxide, potassium hydroxide, or mixture thereof. See column 3, lines 30-65.

Additionally, amphoteric surfactants may be used in the compositions and include Rewoteric AMB 12P (cocamidopropyl dimethyl betaine), Rewoteric AM TEG (tallow glycinate), Rewoteric AM (cocoamphopropionate), etc. See column 16, lines 25-45. The compositions may be in liquid form with a solvent such as water, methanol, ethanol, isopropanol, etc. See column 17, line 60 to column 18, line 40.

Smith et al do not teach the use of an antimicrobial carboxylic acid or a clear composition containing a carboxylic acid antimicrobial agent, alkoxyated amine, and the other requisite components of the composition in the specific proportions as recited by the instant claims.

Baker et al teach compositions for treating shoes, especially leather-containing shoes, such as athletic shoes. More particularly, the present invention relates to compositions applied to one or more shoes in need treatment prior to and/or during and/or after washing the shoes for imparting a desired benefit to the shoes such as cleaning and/or conditioning and/or disinfecting and/or deodorizing. See Abstract. The

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compositions include one or more benefit agents selected from the group consisting of cleaning agents, conditioning agents, disinfecting agents, odor control agents, and mixtures thereof. See para. 9. The water content of the concentrated liquid treating compositions may be less than or equal to about 50% by weight of the treating compositions. See para 96. Citric acid and soluble salts thereof are Ca/Mg removal agents that are suitable for the treating compositions. See para. 165. Additionally ethane-1-hydroxy-1,1-diphosphonate and other known phosphonates may be used in the compositions. See para. 172. Suitable anionic surfactants include C11-C18 alkyl benzene sulfonates, C10-C20 alkyl sulfates, etc. See para. 174. Suitable nonionic surfactants include ethoxylated alcohols, amine oxides, alkylpolysaccharides, fatty acid amide surfactants, etc. See para. 188 to para. 209. Suitable amphoteric surfactants include C12-C18-betaines, etc. See para. 255.

Disinfecting agents may also be used in the compositions and include organic acids, preferably fatty acids such as octanoic acid, nonanoic acid, and/or decanoic acid. See para. 397. Specifically, Baker et al teach treating compositions containing nonanoic acid, water, isopropanol, etc. See para. 662.

Hei et al teach a method for antimicrobial treatment comprising applying to microbes a composition containing a diluting solvent, an antimicrobially-active solvent, and an optional cosolvent, surfactant, or additional antimicrobial agent, wherein the amount of antimicrobially-active solvent or additional antimicrobial agent is sufficiently high and amount of cosolvent or surfactant is sufficiently low so that the composition will provide greater than a 1-log order reduction in the population of bacteria or spores.

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Compositions for use in the method can be prepared as concentrates, and used full strength or in diluted form. See Abstract. When applied to surfaces containing microbes, the compositions exhibit antimicrobial action. See para. 20. In some compositions, the amount of antimicrobially-active solvent is sufficiently high and the amount of cosolvent or surfactant is sufficiently low so that the composition forms a quasi-stable antimicrobial composition. Such compositions have a clear or slightly cloudy appearance. See para. 22. Preferred antimicrobially-active solvents include C1-C16 protonated carboxylic acids such as butyric acid, octanoic acid, heptanoic acid, nonanoic acid, etc. See para. 29. Also, the compositions may include an additional antimicrobial agent such as butyric acid, heptanoic acid, citric acid, adipic acid, etc., and these additional antimicrobial agents may be used in amounts from 0.01 to 30% by weight of the concentrate. See paras. 46 and 47.

A variety of surfactants can be used in the compositions and general, the surfactant and identity and use level is selected based upon the characteristics of the chosen antimicrobially-active solvent and the solubility of the chosen antimicrobially-active solvent in the diluting solvent. Suitable surfactants include anionic, nonionic, cationic, amphoteric surfactants, etc. The amount of surfactant should be just sufficient to provide the desired level of antimicrobial activity and generally, the surfactant will be present in amounts of no more than 10% by weight. See paras. 34-45. The compositions may be used in a variety of applications such as cleaning hard surfaces, woven or nonwoven fabrics, linens, etc. See para. 52.



It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to use an antimicrobial carboxylic acid such as octanoic acid in the cleaning composition taught by Smith et al, with a reasonable expectation of success, because Baker et al or Hei et al teach the use of an antimicrobial carboxylic acid such as octanoic acid in a similar textile or fabric cleaning composition as a disinfectant and Smith et al teach the formulation of all-purpose, hard-surface, laundry detergents compositions, etc., in general which would desirably include the disinfectants of Baker et al or Hei et al.

It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to formulate a composition containing a carboxylic acid antimicrobial agent, alkoxylated amine, and the other requisite components of the composition in the specific proportions as recited by the instant claims, with a reasonable expectation of success and similar results with respect to other disclosed components, because the broad teachings of Smith et al in combination with Baker et al or Hei et al suggest a composition containing a carboxylic acid antimicrobial agent, alkoxylated amine, and the other requisite components of the composition in the specific proportions as recited by the instant claims.

Note that, the Examiner asserts that the teachings of Smith et al in combination with Baker et al or Hei et al would suggest clear compositions as recited by the instant claims because Smith et al in combination with Baker et al or Hei et al suggest compositions containing the same components in the same proportions as recited by the instant claims.

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Claims 1-4, 13, 14, 16, 17, 19, 20, 22, 23, 25-33, and 37-41 are rejected under 35 U.S.C. 103(a) as being unpatentable over Man (US 6,425,959) in view of Baker et al (US 2002/0119907) or Hei et al (US 2002/0072288).

Man teaches organic compositions, used near or in concentrate, which are effective in removing complex organic soils from wood, metal, and other hard surfaces. The compositions comprise nonionic surfactants, silicone surfactants, hydrotropes, and other optional functional materials including sequestrants. See Abstract. Suitable chelating agents include 1-hydroxyethane-1,1-diphosphonic acid, aminotri(methylenephosphonic acid), etc. see column 6, lines 15-60. Suitable nonionic surfactants include alkoxyated amines which have the same general formula as formula III of the instant claims. See column 7, line 40 to column 8, line 15. Suitable hydrotrope solubilizers include small molecule anionic surfactants such as C1-C5 substituted benzene sulfonic acid or naphthalene sulfonic acid. See column 9, line 35 to column 10, line 12. Additionally, the compositions may include ingredients such as ethanol, isopropanol, etc. Acidulants may also be included in the compositions such citric acid, tartaric acid, adipic acid, etc. See column 10, line 45 to column 11, line 20. The detergent compositions may be used as a glass cleaner, hard surface cleaner, laundry detergent, etc. See column 11, lines 20-69.

Man et al do not teach the use of an antimicrobial carboxylic acid or a clear composition containing a carboxylic acid antimicrobial agent, alkoxyated amine, and the other requisite components of the composition in the specific proportions as recited by the instant claims.

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Baker et al or Hei et al are relied upon as set forth above.

It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to use an antimicrobial carboxylic acid such as octanoic acid in the cleaning composition taught by Man et al, with a reasonable expectation of success, because Baker et al or Hei et al teach the use of an antimicrobial carboxylic acid such as octanoic acid in a similar textile or fabric cleaning composition as a disinfectant and Man et al teach the formulation of all-purpose, hard-surface, laundry detergents compositions, etc., in general containing various optional ingredients and which would desirably include the disinfectants of Baker et al or Hei et al.

It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to formulate a composition containing a carboxylic acid antimicrobial agent, alkoxylated amine, and the other requisite components of the composition in the specific proportions as recited by the instant claims, with a reasonable expectation of success and similar results with respect to other disclosed components, because the broad teachings of Man et al in combination with Baker et al or Hei et al suggest a composition containing a carboxylic acid antimicrobial agent, alkoxylated amine, and the other requisite components of the composition in the specific proportions as recited by the instant claims.

Note that, the Examiner asserts that the teachings of Man et al in combination with Baker et al or Hei et al would suggest clear compositions as recited by the instant claims because Smith et al in combination with Baker et al or Hei et al suggest

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compositions containing the same components in the same proportions as recited by the instant claims.

Claims 1-4, 13, 14, 16, 17, 19, 20, 22, 23, 25, 26, 28-33, and 37-41 are rejected under 35 U.S.C. 103(a) as being unpatentable over Baker et al (US 2002/0119907) in view of Smith et al (US 6,617,303).

Baker et al are relied upon as set forth above. However, Baker et al do not teach the use of an alkoxylated amine surfactant or a clear composition containing a carboxylic acid antimicrobial agent, alkoxylated amine, and the other requisite components of the composition in the specific proportions as recited by the instant claims.

Smith et al are relied upon as set forth above.

It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to use an alkoxylated amine surfactant in the cleaning composition taught by Baker et al, with a reasonable expectation of success, because Smith et al teach that the addition of alkoxylated amine surfactants to similar detergent compositions provides improved detergent performance and further, Baker et al teach the use of numerous types of nonionic surfactants which would encompass alkoxylated amine surfactants.

It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to formulate a composition containing a carboxylic acid antimicrobial agent, alkoxylated amine, and the other requisite components of the composition in the specific proportions as recited by the instant claims, with a

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reasonable expectation of success and similar results with respect to other disclosed components, because the broad teachings of Baker et al in combination with Smith et al suggest a composition containing a carboxylic acid antimicrobial agent, alkoxyated amine, and the other requisite components of the composition in the specific proportions as recited by the instant claims.

Note that, the Examiner asserts that the teachings of Baker et al in combination with Smith et al would suggest clear compositions as recited by the instant claims because Baker et al in combination with Smith et al suggest compositions containing the same components in the same proportions as recited by the instant claims.

Claims 1-4, 13, 14, 16, 17, 19, 20, 22, 23, 25, 26, 28-33, and 37-41 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hei et al (US 2002/0072288) in view of Smith et al (US 6,617,303).

Hei et al are relied upon as set forth above. However, Hei et al do not teach the use of an alkoxyated amine surfactant or a composition containing a carboxylic acid antimicrobial agent, alkoxyated amine, and the other requisite components of the composition in the specific proportions as recited by the instant claims.

Smith et al are relied upon as set forth above.

It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to use an alkoxyated amine surfactant in the cleaning composition taught by Hei et al, with a reasonable expectation of success, because Smith et al teach that the addition of alkoxyated amine surfactants to similar detergent compositions provides improved detergent performance and further, Hei et al teach the use of

numerous types of nonionic surfactants which would encompass alkoxylated amine surfactants.

It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to formulate a composition containing a carboxylic acid antimicrobial agent, alkoxylated amine, and the other requisite components of the composition in the specific proportions as recited by the instant claims, with a reasonable expectation of success and similar results with respect to other disclosed components, because the broad teachings of Hei et al in combination with Smith et al suggest a composition containing a carboxylic acid antimicrobial agent, alkoxylated amine, and the other requisite components of the composition in the specific proportions as recited by the instant claims.

Claims 1-4, 13, 14, 16-19, 22, 23, 25, 28-33, and 37-41 are rejected under 35 U.S.C. 103(a) as being unpatentable over WO 95/04459 in view of Smith et al (US 6,617,303).

'459 teaches microbicidal compositions for sanitizing inanimate surfaces. More specifically, the invention relates to microbicidal compositions which include an octanoic carboxylic acid and a sulfur containing compound as an antimicrobial agent. The composition is preferably safe for incidental human contact as well as food contact surfaces without requiring a post-sanitizing rinse. The microbicidal compositions are suitable for dairy farms, food and beverage processing plants, food preparation kitchens, food serving establishments, child-care, nursing care and hospital-care applications as well as for general utility in domestic households and institutions. See

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page 1, lines 5-20. The compositions also comprise a carrier. Suitable carriers include alcohols such as ethanol, isopropanol, etc. Any of these compounds may be used singly or in combination with another organic or inorganic carrier or, in combination with water, or in mixtures thereof. The composition may take the form of a neat solution or liquid concentrate. See page 14, lines 1-25.

The carrier may also comprise any number of surfactants or surfactant combinations. Suitable surfactants include anionic and nonionic agents such as polyoxyethylene glycerol esters, polyoxyethylene and polyoxypropylene block copolymers, dioctylsodium succinate, etc. See page 15, lines 5-17. The composition may also contain any number of adjuvants. Suitable adjuvants include acidulants useful in lowering the pH of the composition and include lactic acid, phosphoric acid, citric acid, malic acid, etc. The compositions may also comprise surface tension altering constituents such as various anionic and nonionic surfactants. Nonionic surfactants which are especially preferred include those surfactants having about 5 to 30 moles of ethoxylation and about 10-80 of propoxylation. See page 20, lines 10-20. Note that, sodium lauryl sulfate is used as an anionic surfactant in the Examples of '459.

'459 does not teach the use of an alkoxyated amine surfactant or a composition containing a carboxylic acid antimicrobial agent, alkoxyated amine, and the other requisite components of the composition in the specific proportions as recited by the instant claims.

Smith et al are relied upon as set forth above.

It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to use an alkoxylated amine surfactant in the cleaning composition taught by '459, with a reasonable expectation of success, because Smith et al teach that the addition of alkoxylated amine surfactants to similar detergent compositions provides improved detergent performance and further, Baker et al teach the use of numerous types of nonionic surfactants which would encompass alkoxylated amine surfactants.

It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to formulate a composition containing a carboxylic acid antimicrobial agent, alkoxylated amine, and the other requisite components of the composition in the specific proportions as recited by the instant claims, with a reasonable expectation of success and similar results with respect to other disclosed components, because the broad teachings of '459 in combination with Smith et al suggest a composition containing a carboxylic acid antimicrobial agent, alkoxylated amine, and the other requisite components of the composition in the specific proportions as recited by the instant claims.

Note that, the Examiner asserts that the teachings of '459 in combination with Smith et al would suggest clear compositions as recited by the instant claims because '459 in combination with Smith et al suggest compositions containing the same components in the same proportions as recited by the instant claims.

Claim 21 is rejected under 35 U.S.C. 103(a) as being unpatentable over Baker et al (US 2002/0119907) or Hei et al (US 2002/0072288) all in view of Smith et al (US



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6,617,303), as applied to the rejected claims above, and further in view of Wulff et al (US 5,962,399).

Baker et al and Hei et al are relied upon as set forth above. However, Baker et al or Hei et al do not teach the use of cocamidopropyl betaine in addition to the other requisite components of the composition as recited by the instant claims.

Wulff et al teach a process for preparing high detergency or surfactant alkyl polyglycoside compositions and a purified alkyl monoglycoside. See Abstract. Additionally, Wulff et al teach the preparation of alkyl glycoside compositions having maximum stand-alone surfactant properties for specific end-use applications. See column 6, lines 40-60. Suitable amphoteric surfactants include the betaines such as cocamidopropyl betaine, etc. See column 27, lines 20-35. The compositions may be used as laundry detergents. See column 28, lines 10-25.

It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to use cocamidopropyl betaine in the cleaning composition taught by Baker et al, with a reasonable expectation of success, because Wulff et al teach the use of cocamidopropyl betaine in a similar detergent composition and further, Baker et al or Hei et al teach the use of amphoteric surfactants in general.

Claim 27 is rejected under 35 U.S.C. 103(a) as being unpatentable over Baker et al (US 2002/0119907) or Hei et al (US 2002/0072288), both in view of Smith et al (US 6,617,303) as applied to the rejected claims above, and further in view of Penninger et al (US 6,228,827).

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Baker et al or Hei et al are relied upon as set forth above. However, Baker et al or Hei et al do not teach the use of 1-hydroxy ethylidene-1,diphosphonic acid as recited by the instant claims.

Penninger et al teach laundry detergents in liquid or gel-form which contain a mutated protease. See Abstract. The detergent compositions may also contain heavy metal complexing agents such as 1-hydroxyethane-1,1-diphosphonic acid, etc.

It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to use a complexing agent such as 1-hydroxyethane-1,1-diphosphonic acid in the cleaning composition taught by Baker et al or Hei et al, with a reasonable expectation of success, because Penninger et al teach the equivalence of 1-hydroxyethane-1,1-diphosphonic acid to its phosphonate salt in a similar composition and, further, Baker et al teach the use of ethane-1-hydroxy-1,1-diphosphonate as a complexing agent and Hei et al teach the equivalence of chelating agents in general.

### ***Double Patenting***

Applicant is advised that should claim 29 be found allowable, claim 40 will be objected to under 37 CFR 1.75 as being a substantial duplicate thereof. When two claims in an application are duplicates or else are so close in content that they both cover the same thing, despite a slight difference in wording, it is proper after allowing one claim to object to the other as being a substantial duplicate of the allowed claim. See MPEP § 706.03(k).

### ***Response to Arguments***

With respect to the instant claims, Applicant states that the independent claims have been amended such that the "adjuvant" is limited to a specific group of compounds and that the prior art of record neither discloses nor suggests the claimed compositions and methods with "the adjuvant being stabilizing agent, wetting agent, thickener, foaming agent, pigment, dye, or mixture thereof". In response, note that, the Examiner maintains that even though the instant claims recite "consisting of", the optional ingredients including the adjuvants as recited by the instant claims permit the inclusion of the additional components required in the compositions as taught by the applied prior art. Thus, the Examiner maintains that the additional ingredients as required or optionally included in the compositions taught by applied prior art of record would not be excluded from the compositions as recited by instant claims and that the applied prior art of record suggests compositions containing the same components in the same amounts as recited by the instant claims. For example, Man (US 6,425,959) teaches the use of nonionic surfactants, nonionic silicone surfactants, and hydrotropes, wherein these ingredients would fall under nonionic surfactants or anionic surfactants and stabilizing agents, respectively, which may optionally be included in the compositions as recited by the instant claims.

### ***Conclusion***

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

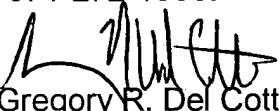
A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gregory R. Del Cotto whose telephone number is (571) 272-1312. The examiner can normally be reached on Mon. thru Fri. from 8:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas McGinty can be reached on (571) 272-1029. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Gregory R. Del Cotto  
Primary Examiner  
Art Unit 1751

GRD  
April 10, 2007